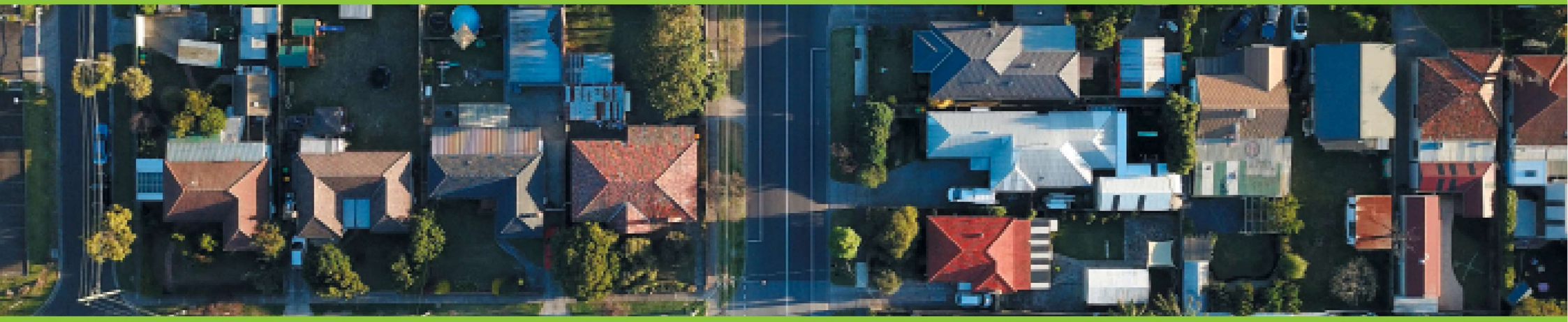
RESILIENT MELBOURNE

The Nature Conservancy

Living Melbourne

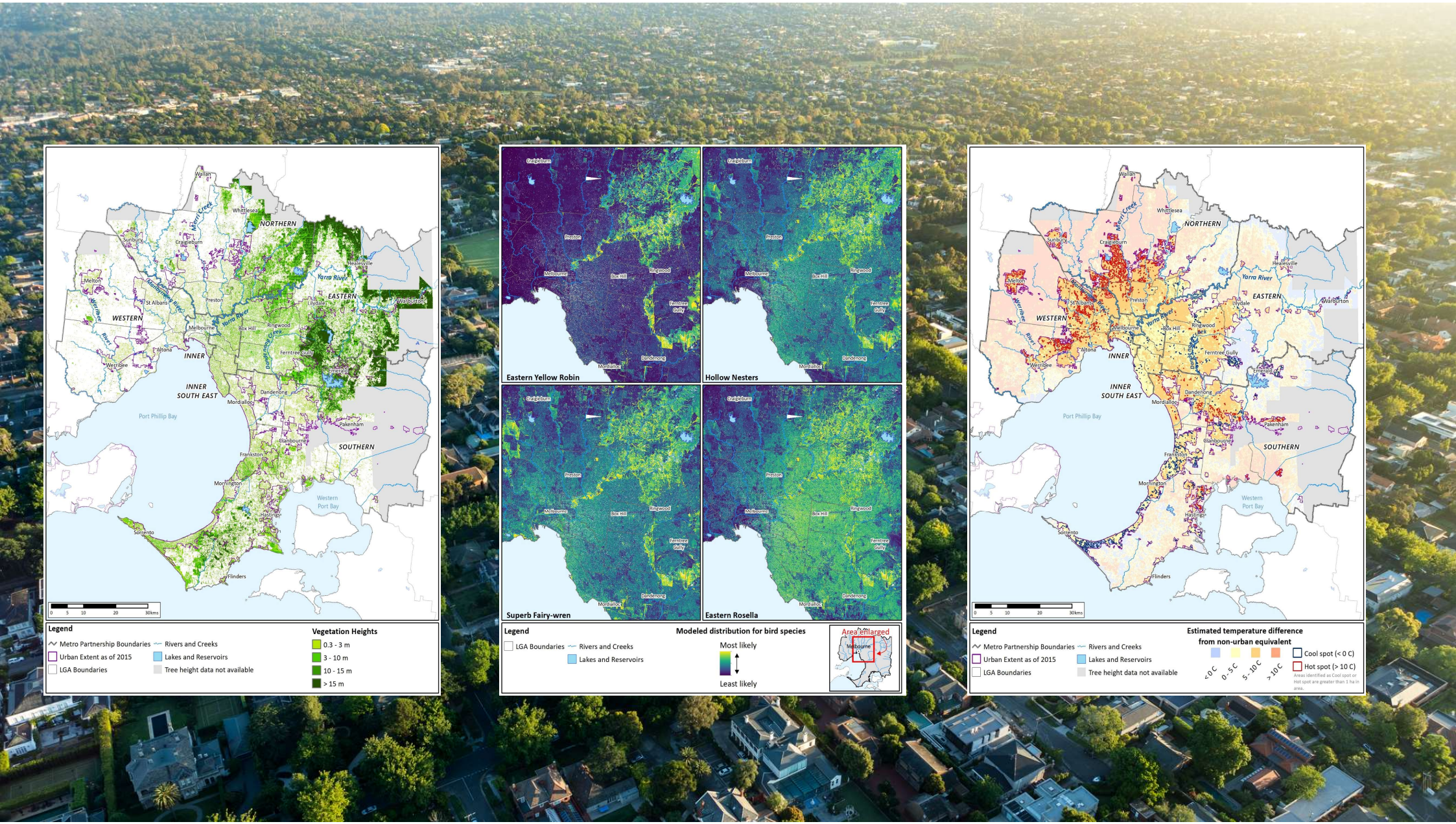
Our metropolitan urban forest



- Short Background to *Living Melbourne*
- Cross-sector consultation and collaboration during strategy development
- Cross-sector buy-in during implementation
- Key initiatives – completed and underway
- Lessons learnt

Living Melbourne

Literature Review and Technical Analysis



NORTHERN
EASTERN
WESTERN
INNER
INNER SOUTH EAST
SOUTHERN
Port Phillip Bay
Western Port Bay
Yarra River
Merri Creek
Wallan
Whittlesea
Sunbury
Craigieburn
Melton
St Albans
Preston
Melbourne
Box Hill
Ringwood
Healesville
Lilydale
Warburton
Ferntree Gully
Emerald
Altona
Werribee
Dandenong
Mordialloc
Pakenham
Cranbourne
Frankston
Mornington
Hastings
Sorrento
Flinders
0 5 10 20 30kms
Legend
Metro Partnership Boundaries
Urban Extent as of 2015
LGA Boundaries
Rivers and Creeks
Lakes and Reservoirs
Tree height data not available
Vegetation Heights
0.3 - 3 m
3 - 10 m
10 - 15 m
> 15 m
Eastern Yellow Robin
Hollow Nesters
Superb Fairy-wren
Eastern Rosella
Legend
LGA Boundaries
Rivers and Creeks
Lakes and Reservoirs
Modeled distribution for bird species
Most likely
Least likely
Area enlarged
Melbourne
Legend
Metro Partnership Boundaries
Urban Extent as of 2015
LGA Boundaries
Rivers and Creeks
Lakes and Reservoirs
Tree height data not available
Estimated temperature difference from non-urban equivalent
< 0 C
0 - 5 C
5 - 10 C
> 10 C
Cool spot (< 0 C)
Hot spot (> 10 C)
Areas identified as Cool spot or Hot spot are greater than 1 ha in area.

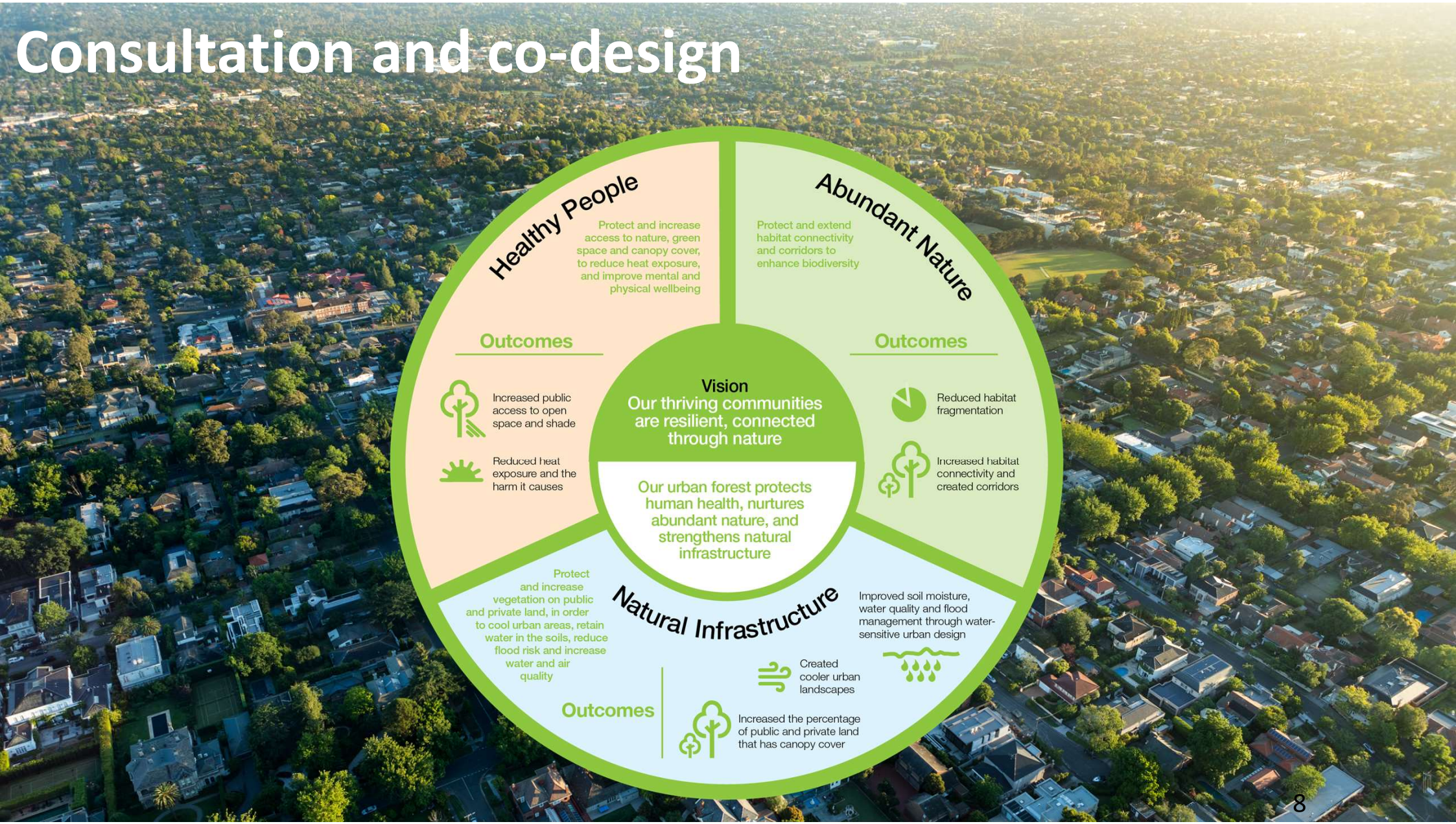
A Metropolitan Opportunity

32 municipalities

- Banyule City Council
- Bayside City Council
- Boroondara City Council
- Brimbank City Council
- Cardinia Shire Council
- City of Casey
- City of Darebin
- Frankston City
- City of Glen Eira
- Greater Dandenong
- Hobsons Bay City Council
- Hume City Council
- City of Kingston
- Knox City Council
- Manningham City Council
- Maribyrnong City Council
- Maroondah City Council
- City of Melbourne
- City of Melton
- Mitchell Shire Council
- City of Monash
- City of Moonee Valley
- Moreland City Council
- Mornington Peninsula Shire
- Nillumbik Shire Council
- City of Port Phillip
- City of Stonnington
- City of Whitehorse
- City of Whittlesea
- Wyndham City Council
- City of Yarra
- Yarra Ranges Council

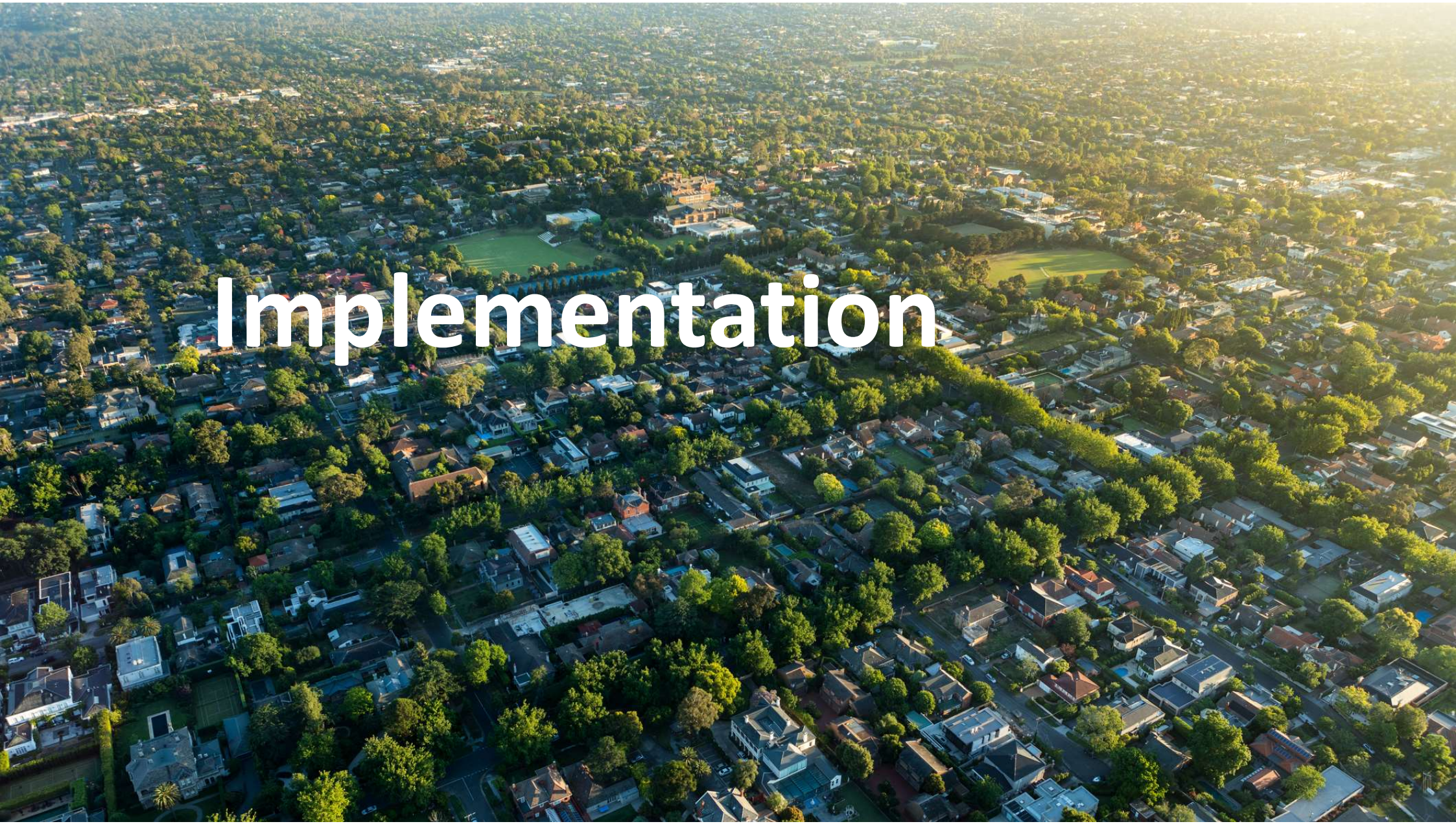
Consultation and co-design

Consultation and co-design



Consultation and co-design

Nursery & Garden Industry Victoria
earthwatch AUSTRALIA
GREENER SPACES BETTER PLACES
LANDSCAPING victoria
MASTER LANDSCAPERS
The Greater Metropolitan Cemeteries Trust
Lasting memories, peaceful places.
Clean Air and Urban Landscapes Hub
National Environmental Science Programme
WHEEN BEE FOUNDATION



Implementation

Initiatives, lead organisations and Working Groups

Initiative	Lead organisation	Working Group
Priority Urban Greening Analysis	Living Melbourne (with support from SEW)	Monash; Urban Forest Consulting; Yarra Valley Water; Moonee Valley; Brimbank; Yarra Ranges; Casey; Kingston; Darebin; DELWP
Communications toolkit	DELWP	Melton; Greater Dandenong; Whittlesea; Greener Spaces Better Places; Melbourne Water
Urban Greeners' Resource Hub	Greener Spaces Better Places	Nursery and Garden Industry Victoria; City of Monash; City of Port Phillip; Yarra Valley Water
Let's Scale Up! Engaging and Motivating Community	Earthwatch Australia	City of Wyndham; Brimbank City Council; City of Darebin; City of Stonnington; Yarra City; Hobsons Bay City Council; Greening the West
Value analysis of urban greening on private land	Melbourne Water	Yarra Valley Water; The University of Melbourne; Moonee Valley City Council

Living Melbourne
Our metropolitan urban forest

Active Implementation bodies

Greater Western Water
South East Water
Yarra Valley Water
Melbourne Water
Department of Environment, Land, Water and Planning
Department of Transport
Nursery and Garden Industry Victoria
Municipal Association of Victoria
Greener Spaces Better Places
The University of Melbourne
Earthwatch Institute Australia
Urban Forest Consulting
Banyule City
City of Boroondara
Brimbank City Council
Cardinia Shire Council
City of Casey

Darebin City
Frankston City
City of Greater Dandenong
Hume City
Kingston City
Knox City
City of Manningham
Maroondah City Council
Melton City Council
City of Monash
City of Moonee Valley
Mornington Peninsula Shire
Mornington Peninsula Shire
City of Stonnington
City of Whittlesea
Whitehorse City
Yarra Ranges Shire

Urban Greeners Resource Hub

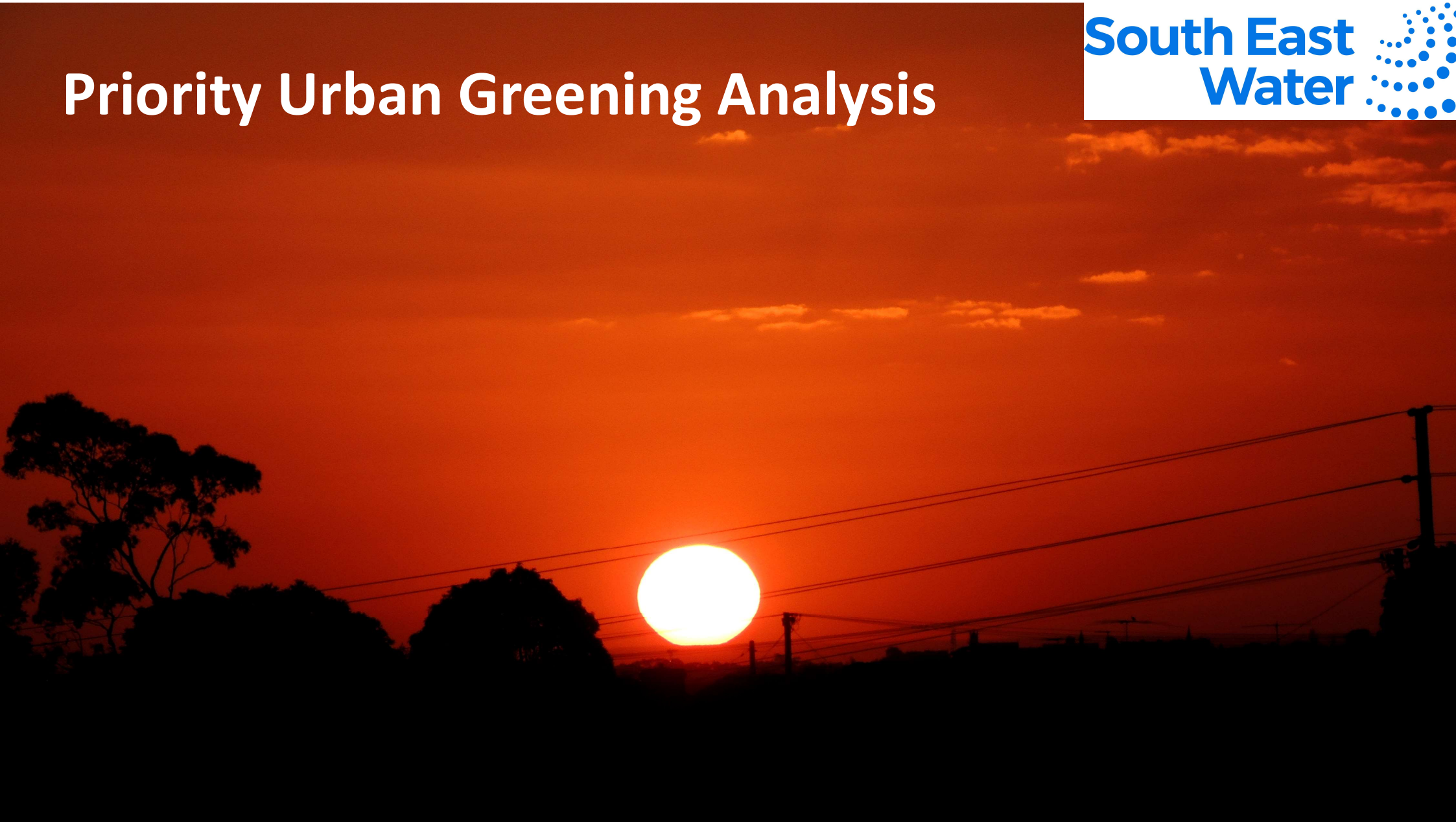
GREENER SPACES
BETTER PLACES

Lets Scale Up! Urban Greening in the Private Realm. Engaging and Motivating the Community

earthwatch
AUSTRALIA

Priority Urban Greening Analysis

South East Water

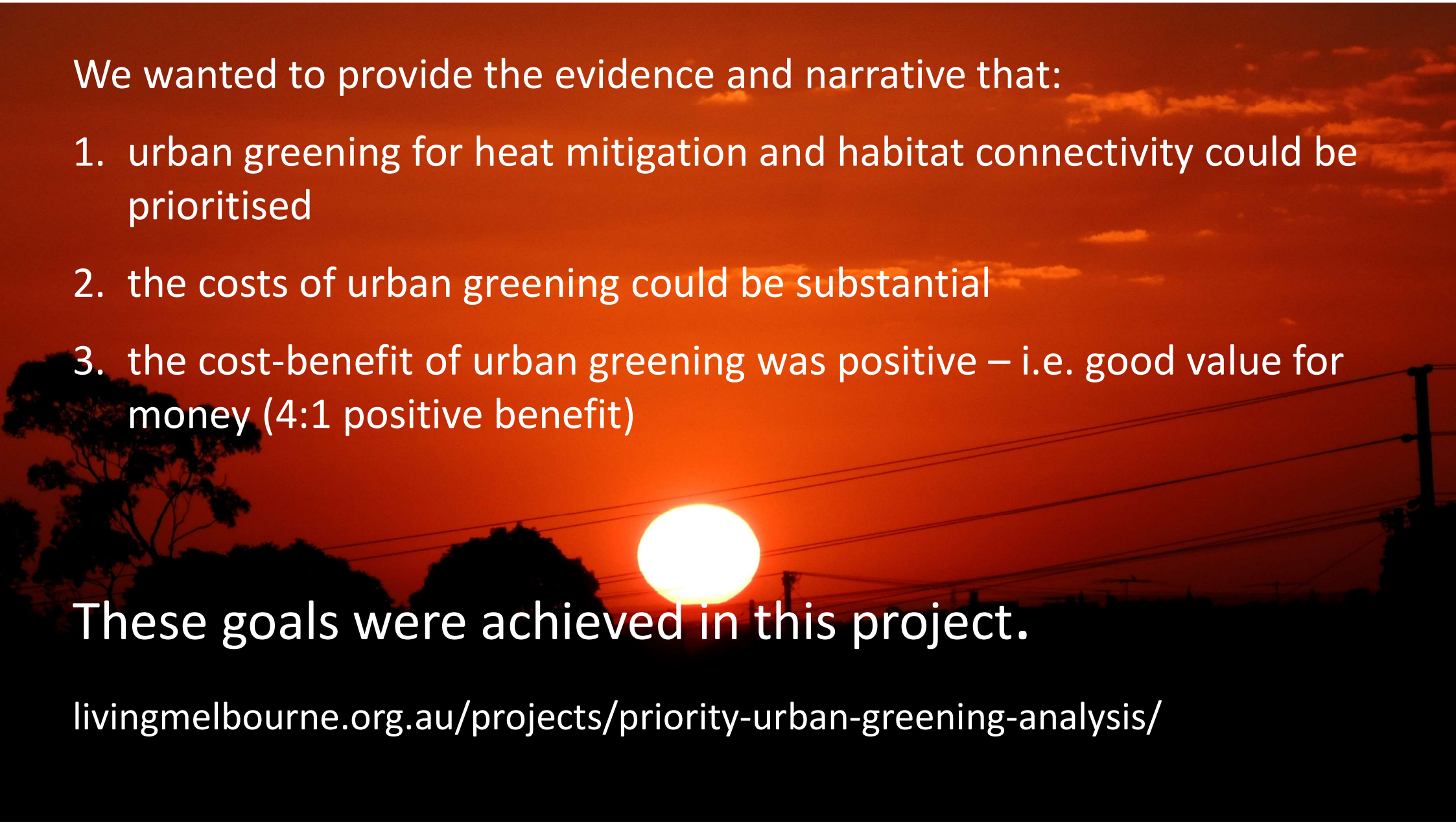


Priority Urban Greening Analysis

Identify and cost priority urban greening opportunities on public and private land across metropolitan Melbourne, primarily to:

- reduce urban heat for vulnerable communities
- protect biodiversity and provide enhanced habitat
- enhance priority passive open spaces to cool those places
- protect the health of waterways, riparian corridors and aquatic ecosystems
- identify the intersection with integrated water management opportunities

- The purpose of this feasibility study would be to support a business case / prospectus for funding bids at various geographic scales.



We wanted to provide the evidence and narrative that:

1. urban greening for heat mitigation and habitat connectivity could be prioritised
2. the costs of urban greening could be substantial
3. the cost-benefit of urban greening was positive – i.e. good value for money (4:1 positive benefit)

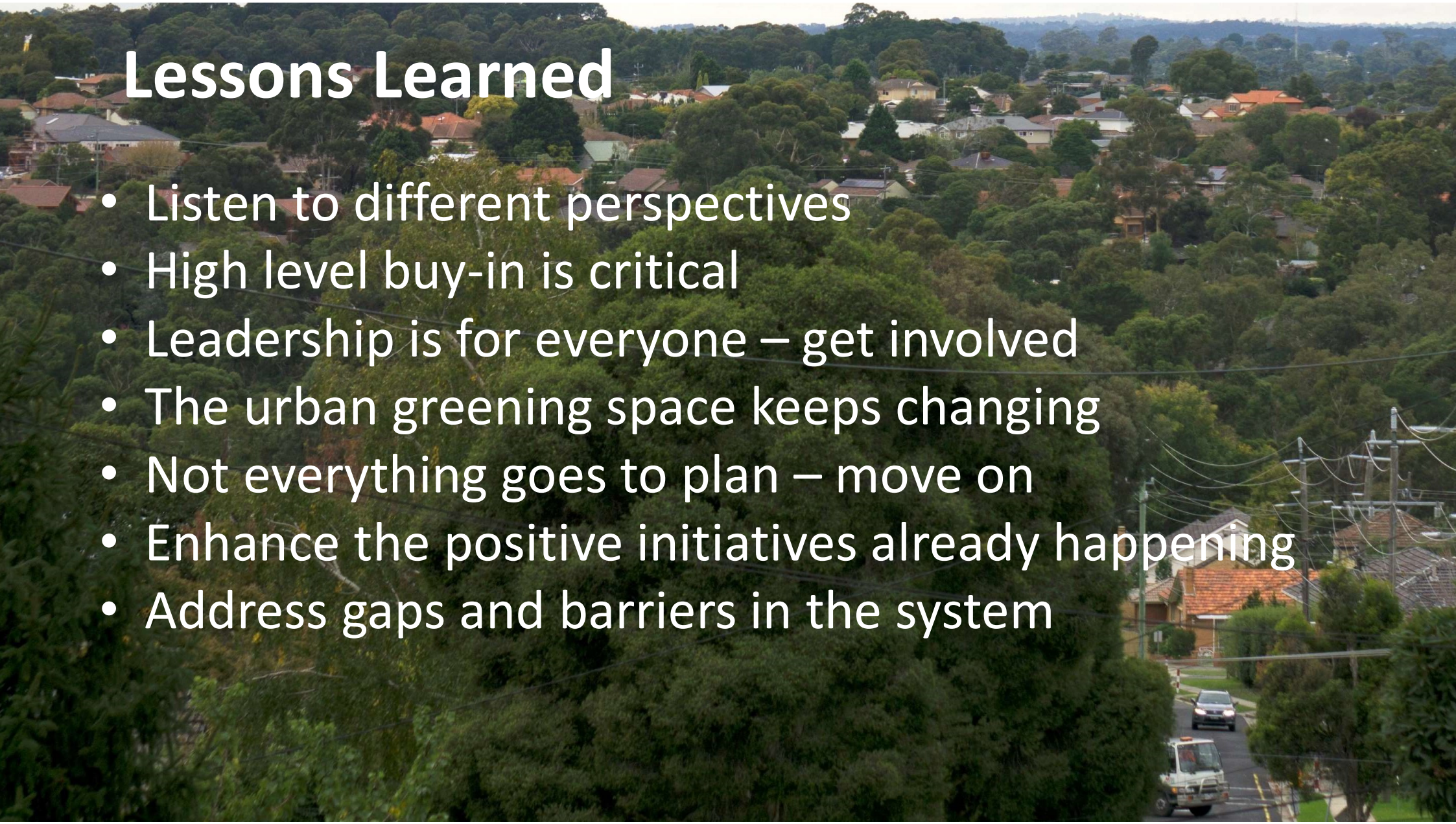
These goals were achieved in this project.

livingmelbourne.org.au/projects/priority-urban-greening-analysis/

Communications Toolkit

State Government Victoria

Department of Environment, Land, Water & Planning



Lessons Learned

- Listen to different perspectives
- High level buy-in is critical
- Leadership is for everyone – get involved
- The urban greening space keeps changing
- Not everything goes to plan – move on
- Enhance the positive initiatives already happening
- Address gaps and barriers in the system

Website: livingmelbourne.org.au

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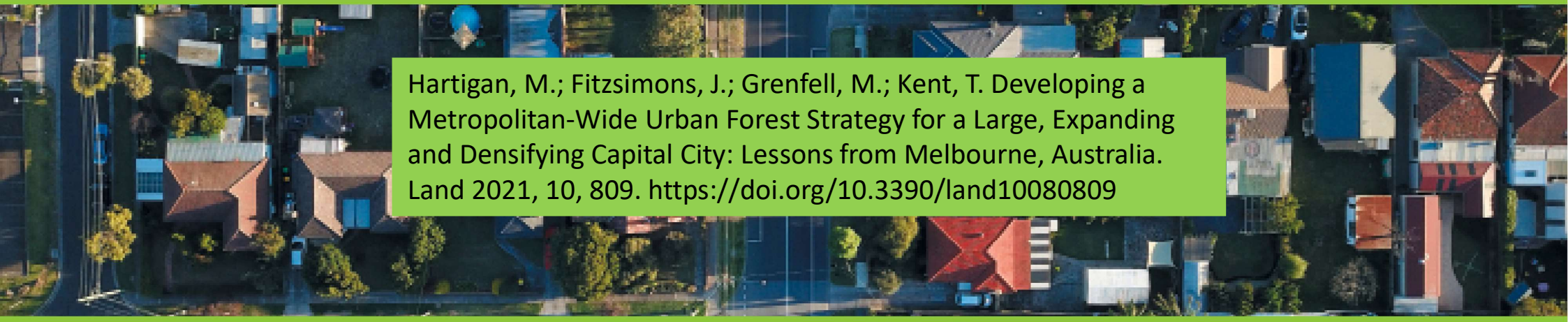

Hartigan, M.; Fitzsimons, J.; Grenfell, M.; Kent, T. Developing a Metropolitan-Wide Urban Forest Strategy for a Large, Expanding and Densifying Capital City: Lessons from Melbourne, Australia. Land 2021, 10, 809. https://doi.org/10.3390/land10080809